

INFORMATION REPORT

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SUBJECT Power Plant in Astrakhan

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- 25X1 1. The turbine and boiler house of the "Astra-Gres" power plant in Astrakhan (46°21'N/48°03'E), Astrakhan Oblast, measures 30 x 30 x 45 meters and is sub-divided lengthwise. The boiler house takes up two thirds of the building.
2. Only one steam turbine and high-pressure boilers each with an electrically operated coal pulverizing mill were in use. The turbine was first put into operation in late 1947. The boilers were connected to the turbine by turns. The capacity of the turbine was said to be 24,000 kw. The equipment had allegedly been delivered by Great Britain since plates of a Manchester firm were seen on the machinery. Prior to the delivery of the turbine a special mobile generator mounted on a train was used. However, its output was inadequate.
3. The second turbine with the third and fourth boilers was being set up. It was of the same type as the first turbine and was to be ready for use by late 1949. In connection with the installation of the second turbine 400 large freight cars had to be unloaded. This turbine is about 2½ meters high, had a circumference of 8 to 10 meters and a weight of 50 tons. Its output is said to be 24,000 kw. After the final assembly the boilers will have a height of 15 meters and will extend as far as the roof. On top of each of them was a smokestack 5 meters high and about 2 meters in diameter. Only two chimneys were in use. Each boiler was 15 meters in diameter and had one firebox. The boilers were fired with a mixture of coal dust and petroleum which was conveyed to the firebox by compressed air. *

25X1 Comment. The power plant has been previously reported as being on the southern bank of the Dolshaya Bolda river which flows through the Volga Delta.

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